

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR****Tender Notice No. 104/Elect./2019****SCHEDULE OF QUANTITY****Name of Work: Zonal contract for petty electrical works of Residential Area (Zone-II).****Name of the Contractor**

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a)	Group A	10.00	Nos		
b)	Group B	10.00	Nos		
c)	Group C	10.00	Nos		
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a)	Group 'A'	5.00	Points		
b)	Group 'B'	5.00	Points		
c)	Group 'C'	5.00	Points		
3	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	5.00	Points		
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated, copper conductor, single core cable in surface/ recessed steel conduit as required.				
a)	2 x 4 Sqmm. + 1 x 4 sqmm earth wire	10.00	Mtr.		
b)	2 x 6 Sqmm. + 1 x 6 sqmm earth wire	10.00	Mtr.		
c)	2 x 10 Sqmm. + 1 x 06 sqmm earth wire	10.00	Mtr.		
d)	2 x 16 Sqmm. + 1 x 06 sqmm earth wire	10.00	Mtr.		
e)	4 x 10 Sqmm. + 2 x 06 sqmm earth wire	10.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
f)	4 x 16 Sqmm. + 2 x 06 sqmm earth wire	10.00	Mtr.		
5	Wiring for circuit/ submain wiring along with earth wire the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a)	2 x 1.5 Sq.mm + 1 x 1.5 Sq.mm earth wire	5.00	Mtr		
b)	2 x 4 Sq.mm + 1 x 4 Sq.mm earth wire	5.00	Mtr		
c)	2 x 10 Sqmm. + 1 x 06 sqmm earth wire	5.00	Mtr		
d)	2 x 16 Sqmm. + 1 x 06 sqmm earth wire	5.00	Mtr		
e)	4 x 10 Sqmm. + 2 x 06 sqmm earth wire	5.00	Mtr		
f)	4 x 16 Sqmm. + 2 x 06 sqmm earth wire	5.00	Mtr		
6	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.				
a)	Group 'A'	450.00	Points		
b)	Group 'B'	150.00	Points		
c)	Group 'C'	50.00	Points		
7	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	1 x 1.5 Sq.mm..	500.00	Mtr.		
b)	2 x 1.5 Sq.mm..	400.00	Mtr.		
c)	3 x 1.5 Sq.mm..	900.00	Mtr.		
d)	2 x 4 Sq.mm..	50.00	Mtr.		
e)	3 x 4 Sq.mm..	800.00	Mtr.		
f)	4 x 4 Sq.mm..	10.00	Mtr.		
g)	2 x 6 Sq.mm..	20.00	Mtr.		
h)	3 x 6 Sq.mm..	10.00	Mtr.		
i)	4 x 6 Sq.mm..	10.00	Mtr.		
8	Supplying and drawing telephone cable of 2 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	500.00	Mtr.		
9	S & F of following size of steel conduit along with the accessories in surface/recess I/c painting in case of surface conduit or cutting the wall and making good the same in case of recessed conduit. as reqd.				

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
a)	20 mm	10.00	Mtr.		
b)	25 mm	10.00	Mtr.		
c)	32 mm	5.00	Mtr.		
d)	40 mm	5.00	Mtr.		
10	Supply and fixing of following sizes of medium class PVC conduit along with the accessories in surface /recess including cutting the wall and making good the same in case of recessed conduit as reqd.				
a)	20mm	10.00	Mtr		
b)	25mm	10.00	Mtr		
c)	32mm	5.00	Mtr		
d)	40mm	5.00	Mtr		
11	S & F metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front I/c painting etc as reqd.				
a)	100 mm x 100 mm x 60 mm deep	5.00	Nos.		
b)	180 mm x 100 mm x 60 mm deep	5.00	Nos.		
c)	200 mm x 150 mm x 60 mm deep	5.00	Nos.		
d)	200 mm x 250 mm x 75 mm deep	5.00	Nos.		
e)	200 mm x 300 mm x 60 mm deep	5.00	Nos.		
f)	250 mm x 300 mm x 100 mm deep	5.00	Nos.		
12	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	5/6 Amp switch	300.00	Nos.		
b)	2 way 5/6 amp switch	30.00	Nos.		
c)	15/16 Amp. switch	150.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	150.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	100.00	Nos.		
f)	Telephone socket / jack outlet	50.00	Nos.		
g)	TV antenna socket outlet	5.00	Nos.		
h)	Call bell push	50.00	Nos.		
13	Supply, fixing, following modular type switch / socket on existing modular plate & switch box including connectins but excluding modular plate etc. as reqd.				
a)	5/6 Amp switch	300.00	Nos.		
b)	2 way 5/6 amps switch	30.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
c)	15/16 Amp. switch	80.00	Nos.		
d)	3 Pin 5/6 Amp. socket outlet	90.00	Nos.		
e)	6 Pin 15/16 Amp. socket outlet.	80.00	Nos.		
f)	Telephone socket outlet	50.00	Nos.		
g)	Bell Push	5.00	Nos.		
h)	Fan regulator socket type rotary step	50.00	Nos.		
i)	Blanking plate	20.00	Nos.		
14	S & F following size/modules, GI box along with modular base and cover plate for modular switches in recess etc.as required.				
a)	1/2 module	5.00	Nos.		
b)	3 module	5.00	Nos.		
c)	4 module	5.00	Nos.		
d)	6 module	5.00	Nos.		
e)	8 module	5.00	Nos.		
f)	12module	5.00	Nos.		
15	S/F following modular base & cover plate on existing modular metal boxes etc. as reqd.				
a)	1 or 2 module	5.00	Nos.		
b)	3 module	5.00	Nos.		
c)	4 module	5.00	Nos.		
d)	6 module	5.00	Nos.		
e)	8 module	5.00	Nos.		
f)	12 module	5.00	Nos.		
16	Supplying and fixing 3 pin, 5 amp. Ceiling rose on the existing junction box/ wooden block including connection etc. as reqd.	80.00	Nos.		
17	Supplying and fixing brass batten/ angle holder including connection etc. as required.	50.00	Nos.		
18	Supplying and fixing call bell/ buzzer suitable for D.C./A.C. single phase, 230 volts, complete as required.	50.00	Nos.		
19	Installation, testing and commissioning pre-wired fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sqmm FRLS PVC insulated, copper condutor,	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
20	P & F extra conduit down rods of 20 mm dia. 2 x 10 cm length with 2 x 1.5 Sqmm FRLS PVC insulated copper conductor single core cable i/c painting etc. as reqd. (Note - More than 5 cm length shall be rounded nearest 10 cm & 5 cm or less shall be ignore)	3.00	Nos.		
21	Painting of ceiling fan any size with one or more coats with supper enamel paint of approved brand i/c cleaning and making smooth surface with emery paper and detergent etc. as required.	50.00	Nos.		
22	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required				
a)	100 Amp TP	2.00	Nos.		
23	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
a)	8-way , Double door	5.00	Nos.		
b)	12-way , Double door	10.00	Nos.		
c)	16-way , Double door	15.00	Nos.		
24	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
a)	4-way Cat no. 607750 Legrand or equivalent	2.00	Nos.		
b)	8-way Cat no. 607751 Legrand or equivalent	2.00	Nos.		
c)	12-way Cat no. 607752 Legrand or equivalent	2.00	Nos.		
25	Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as reqd.				
a)	Single Pole	50.00	Nos.		
b)	Single Pole & Neutral	10.00	Nos.		
c)	Triple Pole	10.00	Nos.		
d)	Triple pole & Neutral	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
26	S&F single pole blanking plates in existing MCB DB complete etc. as required.	20.00	Nos.		
27	S & F following rating double pole (single phase & neutral) 240 volts RCCB (ELCB), having sensivity current up to 300 mA in the existing MCB DB complete with connection,testing & commissioning etc as reqd.				
a)	25 Amp	10.00	Nos.		
b)	40 Amp	20.00	Nos.		
c)	63 Amp	30.00	Nos.		
28	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth metal enclosed plug top along with 20 amps ' C ' series SP, MCB, in the sheet steel enclosure, on surface or in recess, with chained metal cover for the soc	5.00	Nos.		
29	Earthing with G.I earth pipe 4.5 mtr long. 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	10.00	Set		
30	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	15.00	Nos.		
31	P & F 25 mm x 5 mm GI strip in 40 mm dia GI pipe from earth electrode with GI nut , bolt,spring washer excavation and refilling etc. as reqd.	15.00	Mtr		
32	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required	15.00	Mtr		
33	Providing & fixing GI earth strip of size 25mm x 5mm in ground / surface / existing pipe as per specification.	15.00	Mtr		
34	P & F 6 SWG dia GI wire on surface or in recess for loop earthing as reqd.	20.00	Mtr.		
35	Laying of one no. PVC insulated, PVC sheathed / XLPE power cable of 1.1kV grade of size not exceeding 35 sq.mm.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	5.00	Mtr.		
c)	In open duct	5.00	Mtr.		
d)	On surface with MS clamp	2.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
36	Laying of one no. PVC insulated, PVC sheathed / XLPE power cable of 1.1kV grade of size exceeding 35 sq.mm. but not exceeding 95 sq.mm.				
a)	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	5.00	Mtr.		
c)	In open duct	5.00	Mtr.		
d)	On surface with MS clamp	5.00	Mtr.		
37	Supplying and making indoor end termination with brass compression gland, aluminum lugs for following size of PVC insulated & PVC sheathed/XLPE aluminum cable of 1.1kV grade as reqd.				
a)	2x6 sq.mm.	10.00	Nos.		
b)	2x10 sq.mm.	10.00	Nos.		
c)	2x16 sq.mm.	10.00	Nos.		
d)	2x25 sq.mm.	10.00	Nos.		
e)	3-1/2x25 sq.mm.	10.00	Nos.		
f)	3-1/2x35 sq.mm.	10.00	Nos.		
g)	3-1/2x 50 sq.mm.	10.00	Nos.		
h)	4x16 sq.mm.	10.00	Nos.		
38	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.				
a)	2x16 sq.mm.	10.00	Nos.		
b)	2x25 sq.mm.	10.00	Nos.		
c)	3-1/2x25 sq.mm.	10.00	Nos.		
d)	3-1/2x35 sq.mm.	10.00	Nos.		
e)	3-1/2x 50 sq.mm.	10.00	Nos.		
f)	4x16 sq.mm.	10.00	Nos.		
39	Providing, laying and fixing following dia G.I. pipe (medium class) with all accessories, cutting and filling chase on wall/floor for cavle entry including the cost of sesling at both the ends complete as required.				
a)	40 mm dia	15.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
40	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	10.00	Cum		
41	Providing brick work (in width 225 mm or more) with F.P.S. bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) at all levels.	10.00	Cum		
42	Providing 15mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand) at all levels.	10.00	sqm		
43	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required				
a)	50 mm	5.00	Mtr.		
b)	80 mm	5.00	Mtr.		
44	S & F following piano type switch /socket on existing switch box/cover I/c connection etc as reqd.				
a)	Fan regulator socket type rotary step	50.00	Nos.		
b)	Fan regulator dimmer type 650 W	10.00	Nos.		
45	Supply and drawing PVC insulated 3 core round cable 1.5 sq.mm. for connection of equipments / exhaust fan & other work as reqd.	20.00	Mtr.		
46	Laying UTP/ RJ-11/ RJ-6/ Telephone wire/ cable in existing steel conduit pipe/ GI pipe/ HDPE pipe as reqd. (The cost shall also include numbering of networking wire from room to rack as reqd.)	50.00	Mtr.		
47	Supplying & drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel / PVC conduit as reqd.				
a)	2 x 10 Sq.mm..	50.00	Mtr.		
b)	3 x 10 Sq.mm..	10.00	Mtr.		
c)	2 x 16 Sq.mm..	20.00	Mtr.		
d)	3 x 16 Sq.mm..	10.00	Mtr.		
48	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in PVC casing & capping, without switch,switch box etc. and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a)	Group 'A'	5.00	Points		
b)	Group 'B'	5.00	Points		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
49	Providing and fixing following sizes of PVC casing and capping on surface as reqd.				
a)	20 x 12 mm	500.00	Mtr.		
b)	25 x 16 mm	400.00	Mtr.		
c)	32x 16 mm	100.00	Mtr.		
d)	38 x 16 mm	50.00	Mtr.		
50	Providing and fixing casing and capping in place of defective and damaged wood batten including dismantling of betten and wire & relaying of wires as required complet.				
a)	20 x 12 mm	300.00	Mtr.		
b)	25 x 16 mm	250.00	Mtr.		
c)	32x 16 mm	100.00	Mtr.		
d)	38 x 16 mm	50.00	Mtr.		
51	Dismantling the old conduit pipe/wood batten of all sizes from surface/recessed & making good the damages l/c filling the holes of the surface etc as reqd.	20.00	Mtr.		
52	Fixing 20/25mm conduit pipe on surface with clamp/in recessed only conduit pipe supplied by department.(Free of cost)	20.00	Mtr		
53	S & F wooden board of following sizes on surface or in recessed with suitable size of phenolic laminated sheet cover in the front etc as reqd.				
a)	100 mm x 100 mm	300.00	Nos.		
b)	175 mm x 100 mm	200.00	Nos.		
c)	200 mm x 150 mm	100.00	Nos.		
d)	200 mm x 250 mm	50.00	Nos.		
e)	250 mm x 300 mm	20.00	Nos.		
54	Dismantling damaged DB/TPN Switches/ loose wire boxes along with all accessories and depositing the same in the store as reqd.	10.00	Nos.		
55	Dismantling and refixing of M.S./PVC box of up to 250 x 300 x100 on surface recessed as required. including painting with enamel paint as reqd	5.00	Nos.		
56	Fixing MS Box upto 250 x 300 x100 mm including pole fuse box and painting. with enamel paint as reqd	5.00	Nos.		
57	S & F 40 amp to 63 amp rating 240 volts 'C' curve 10 kA MCB of following pole in the existing MCB DB complete with connection, testing & commissioning etc as reqd. (legrand)				
a)	Single Pole	50.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
b)	Double pole	10.00	Nos.		
c)	Triple Pole	10.00	Nos.		
d)	Triple pole & Neutral	5.00	Nos.		
58	S & F metal enclosure suitable for DP/TPN MCB / DP ELCB on surface or recessed etc as reqd.	20.00	Nos.		
59	S/F, connecting, testing and commissioning 34/35/36 watt LED recess mounted luminaires with diffuser suitable for 600 mm X 600 mm moduler POP/Gypsem ceiling etc.as reqd.	2.00	Nos.		
60	Supply, fixing, connecting, commissioning & testing of 40 watt LED Post top lantern light complete with all accessories including rag bolts with washer Cat No. LPTO-40-CDL Crompton make or its equivalent make etc as reqd.	2.00	Nos.		
61	S/F, connecting, testing and commissioning 18 watt Orion I LED surface mounted luminaires with PMMA diffuser etc.as reqd.(CAT No.LCTLSN-18-CDL make Crompton or equivalent approved make)	2.00	Nos.		
62	Supply & fixing of 12 watt LED recess round downlighter etc.as reqd. (CAT No.LCDE-12-CDL) (Crompton greaves or equivalent approved make)	2.00	Nos.		
63	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and with lamp as required complete.				
a)	LED tube light fitting (1 X 18 / 20 Watt. LED) surface mounting luminaires wipro make	20.00	Nos.		
b)	LED tube light fitting (2 X 18 / 20 Watt. LED) surface mounting luminaires wipro make	20.00	Nos.		
c)	LED mirror light fixture 5/7 Watt	10.00	Nos.		
d)	Street Light luminaire CAT no ENDURACITYLINERNEXGENSL48WLED757SASYBOPC-LED Havells make or it's equivalent	5.00	Nos.		
e)	LED bulkhead fixture 10 Watt	10.00	Nos		
64	Supplying, fixing, connecting, commissioning and testing of the following luminaries light fixtures complete with all accessories and without lamp as required complete.				
a)	Drum light cat No.03 PV / 02 decon make or equivalent.	20.00	Nos.		
b)	Wall bracket Decon make cat. no. 0553 or equivalent.	20.00	Nos.		
c)	Bulk head fitting suitable for 60W GLS lamp, Philips make or equivalent.	50.00	Nos		
65	Repairing , cleaning, testing & commissioning box /industiral type /decorative type fitting I/c replacement of all parts if reqd.	10.00	Nos		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
66	Providing and replacement of damaged internal wiring of fitting of any type with 1.5 sq.mm. PVC insulated copper single core wire i/c dismantling & refixing as reqd.	20.00	Mtr.		
67	S/F 20 / 40 W 220 V starter for FL. Tube fitting as reqd.	50.00	Nos.		
68	Supplying, fixing, connecting and commissioning electronic ballast suitable for following lamps in existing fitting as reqd.				
a)	1 x 11 W	20.00	Nos.		
b)	1 x 28 W	5.00	Nos.		
c)	1 x 36 W	20.00	Nos.		
69	Supply / fixing and connecting & commissioning following CFL / lamps in existing fitting as reqd.(Make- Phillips)				
a)	PL-s 11 watts	50.00	Nos.		
b)	PL-s 36 watts	50.00	Nos.		
c)	LED bulb 7/10 W	20.00	Nos.		
d)	LED bulb 15 W	5.00	Nos.		
e)	28 W FL tube	50.00	Nos.		
f)	36 W FL tube	50.00	Nos.		
g)	LED tube light 18 / 20 Watt.	10.00	Nos.		
70	Supplying, fixing, connecting & commissioning of holder for 9/11/ 18/20/28/36/40W FTL/PLS lamps	10.00	Each		
71	Dismantling, disconnecting old damaged unserviceable fl fitting/ exhaust fan/ ceiling fan/ bulkhead fitting with bracket etc. as reqd. and depositing in sectional store.	20.00	Nos.		
72	S&F, Al tube / reducer terminals suitable for following size of conductor.				
a)	6 /10/16 Sq.mm.	5.00	Nos.		
b)	25/35/50 Sq.mm.	5.00	Nos.		
73	Dismantling & refixing brass compression type cable gland 25 sq.mm to 400 sq.mm. cable.	10.00	Nos.		
74	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 2 x 6 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	5.00	Mtr.		
c)	In open duct	5.00	Mtr.		
d)	On surface with MS clamp	5.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
75	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 2 x 10 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	10.00	Mtr.		
c)	In open duct	10.00	Mtr.		
d)	On surface with MS clamp	10.00	Mtr.		
76	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 2 x 16 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	10.00	Mtr.		
c)	In open duct	10.00	Mtr.		
d)	On surface with MS clamp	10.00	Mtr.		
77	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 2 x 25 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	10.00	Mtr.		
c)	In open duct	5.00	Mtr.		
d)	On surface with MS clamp	5.00	Mtr.		
78	Supplying & Laying of one no. XLPE sheathed aluminium conductor steel armoured power cable of size 4x10 sqmm 1.1kV grade in following manners.				
a)	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	5.00	Mtr.		
c)	In open duct	5.00	Mtr.		
d)	On surface with MS clamp	5.00	Mtr.		
79	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 4x16 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	10.00	Mtr.		
c)	In open duct	10.00	Mtr.		
d)	On surface with MS clamp	10.00	Mtr.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
80	Supplying & Laying of one no. XLPE sheathed aluminum conductor steel armoured power cable of size 3-1/2x25 sq.mm. 1.1kV grade in following manners.				
a)	direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	20.00	Mtr.		
b)	In pipe	10.00	Mtr.		
c)	In open duct	5.00	Mtr.		
d)	On surface with MS clamp	5.00	Mtr.		
81	S & Laying of one no. XLPE cable aluminum conductor steel armoured power cable of 1.1kV grade of size 3-1/2x35 sq.mm. in following manners.				
a)	In Ground including excavation, sand cushioning brick protecting covering and refilling the trench etc. as reqd.	20.00	Mtr		
b)	In pipe	2.00	Mtr		
c)	In open duct	2.00	Mtr		
d)	On surface with MS clamp	2.00	Mtr		
82	Digging cable trench, lifting brick & cable for locating fault and relaying the cable i/c refilling the trench, extra sand if required shall be i/c in the item of following size. as required.				
a)	not exceeding 35 sq.mm..	10.00	Mtr		
b)	exceeding 35 sq.mm.. but not exceeding 95 sq.mm.	10.00	Mtr		
83	Digging trench for taking out cable and refilling , watering ,ramming the same after taking out cable as reqd complete.	15.00	Mtr		
84	Lifting & removing cable of following sizes from trenches or clamped on surface, making roll depositing the same in the store I/c cartage etc as reqd.				
a)	up to 35 sq.mm.	10.00	Mtr.		
b)	Above 35 sq.mm. to 95 sq.mm.	10.00	Mtr.		
85	Supply and laying of HDPE pipe ISI mark of 25 mm (8Kg / cm ²) size inner dia, 2mm thick I/c cartage loading & unloading etc. as reqd.				
a)	Direct in ground I/c excavation, sand cushioning, protective covering and refilling the trench etc. as reqd.	10.00	Mtr.		
b)	In pipe	5.00	Mtr.		
c)	In open duct	15.00	Mtr.		
d)	On surface with MS clamp	15.00	Mtr.		
86	Dismantling and refixing of switch / socket /regulator I/c cleaning, connecting, commissioning etc as reqd.	150.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
87	Supply fixing connecting & commissioning of following rating 3 pin Plug top Anchor make as reqd complete.				
a)	5/6 Amp	10.00	Nos.		
b)	15/16 Amp	10.00	Nos.		
88	S&F, 20 Amp. metal clad socket cat. no. AS 20 (20 A 2P+E) 650029. legrand or equivalent.	10.00	Nos.		
89	S&F, 20 Amp. 2P+E plug top. Legrand or equivalent.	10.00	Nos.		
90	Supply and installation of 400mm sweep AC 230/250 volts, 50 Hz wall mounting revolving fan with brackets etc complete.	30.00	Nos.		
91	Supply, Installation, testing & commissioning of AC ceiling fan of following sweep 220 volts without regulator I/c wiring the down rods of standard length up to 30 cm with 1.5 sq.mm. PVC insulated copper conductor single core cable etc as reqd.				
a)	1200 mm	30.00	Nos.		
b)	1400 mm	20.00	Nos.		
92	Supply, Installation of exhaust fan, 900 rpm 220 volt AC, 50 Hz of following sweep in the existing opening I/c connection, testing, commissioning etc as reqd.				
a)	300 mm	5.00	Nos.		
b)	375 mm	5.00	Nos.		
c)	450 mm	5.00	Nos.		
93	S & F, Exhaust fan shutter for following sizes exhaust fan on rag bolts as reqd.				
a)	300 mm	5.00	Nos.		
b)	375 mm	5.00	Nos.		
c)	450 mm	5.00	Nos.		
94	Making hole on wall for following size exhaust fan and finishing the same as required.				
a)	300 mm	10.00	Nos.		
b)	375 mm	10.00	Nos.		
c)	450 mm	10.00	Nos.		
95	S & F fan hook I/c cutting the slab and fixing with the reinforcement and making damage, painting etc as the same.	10.00	Nos.		
96	Fixing of exhaust fan shutter/ louvers up to 24" fan i/c providing and grouting rag bolts with washer as required.	5.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
97	S/F, angle iron 35 mm x 35 mm x 5 mm i/c cutting, welding, painting etc. as reqd.	10.00	Mtr.		
98	Fixing & connecting 1/3 ph temporary service connection from supply source to desired place up to the lead of 50 Mtr. And dismantling the same form source i/c to & fro cartage. (extension board and cable will be supplied by the dept.)	10.00	Nos.		
99	S & F bakelite sheet 6 mm thick complete with required nuts & bolts as reqd.	500.00	Sq.cm		
100	S & F 3 mm thick phenolic laminated sheet on existing board with brass screw & cup washer etc as reqd.	4002.00	Sq.cm		
101	Locating fault in the cable lines with meager etc. and rectifying removing & restoring supply the same & making good the damages etc as reqd.	10.00	Nos.		
102	Locating fault in wiring rectifying removing & restoring supply the same & making good the damages etc as reqd.	10.00	Nos.		
103	Dismantling and refixing bakelite/ Hylem sheet any size with screws and cup washers as required	100.00	sq inch		
104	Fixing of any type of lamps in the existing fittings as reqd.	50.00	Nos.		
105	Fixing of RJ-45 modular box with cover plate or I/o box for internet on surface/ recessed cutting the wall making good the same as required. (box and cover plate will be supplied by dept.)	10.00	Nos.		
106	Dismantling and refixing of wooden board of any sizess on surface or in recessed etc as reqd.	50.00	Nos.		
	DLP				
107	Providing and fixing DLP plastic trunking of size 105 mm x 50 mm without cover on surface as reqd.	50.00	Mtr.		
108	Providing and fixing 85 mm width flexible cover of DLP plastic trunking. (size 105 mm x 50 mm.)	11.00	Mtr.		
109	Supply and fixing of following items for plastic trunking accessories suitable for size 105 mm x 50 mm.				
a	End cap	20.00	Nos.		
b	Internal angle.	20.00	Nos.		
c	External angle	20.00	Nos.		
d	Flat Junction	20.00	Nos.		
e	Changeable flat angle	20.00	Nos.		
f	Separation partitions	5.00	Mtr.		
g	cover joint	20.00	Nos.		
h	Base joint	20.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
110	Supplying, installation DLP mini- trunking 32mm x 20mm and accessories white-system with independent cover-without central partion etc. as reqd.				
a)	Mini- trunking	30.00	Mtr.		
b)	End cap left or right	10.00	Nos.		
c)	Internal/ external angle	10.00	Nos.		
d)	Flat angle	10.00	Nos.		
e)	Flat junction	10.00	Nos.		
111	Supplying and fixing of 20 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	5.00	Mtr.		
	Fan repairing				
112	Rewinding of following fans of following sizes i/c dismantling of rotor cutting the damaged winding and providing rewinding along with insulation paper, varnish, connecting copper leads of suitable quality including dismentling and refixing from normal/abnormal height and refixing as required. (Old burnt wire shall be reatin by the contractor.)				
a)	New model 48"	50.00	Nos.		
b)	Old model 48"/new model 56" (fan)	20.00	Nos.		
113	Rewinding of exhaust fans of following sizes i/c dismantling cutting the damaged winding and providing rewinding along with insulation paper, varnish, connecting copper leads of suitable quality including dismentling and refixing from normal/abnorml height and refixing as required.(old burnt wire shall be retain by the contactor.)				
a)	12" Exhaust fan	10.00	Nos.		
b)	15" Exhaust fan	10.00	Nos.		
c)	18" Exhaust fan	10.00	Nos.		
114	Overhauling of following fan of any size including bearings, checking, cleaning the all parts and supplying & replacement of rubber real, rubber rings, nut bolts, hanger clamps, bearing plates, cotter/ split pin, varnishing if reqd etc, reassembling testing and commissioning of fan as reqdired complete.				
a)	ceiling fan	300.00	Nos.		
b)	Exhaust fan	50.00	Nos.		

S. No	Description of Items	Qty	Unit	Rate in Figures in Rupees	Amount
115	Supplying and fixing following capacity capacitor suitable for ceiling fan / exhaust fan / air-curtain etc.				
a)	2.5mfd	300.00	Nos.		
b)	4.0 mfd	15.00	Nos.		
c)	8.0 mfd	5.00	Nos.		
116	Dismantling & refixing of any size fan from normal height				
a)	ceiling fan	5.00	Nos.		
b)	Exhaust fan	5.00	Nos.		
117	Repairing of housing of bearing side /bush side /in fan body in ceiling fan /exhaust fan/ rally fan etc.	50.00	Nos.		
118	Cartage of Ceiling fans and regulator / exhaust fan From store to site as reqd.	48.00	Nos.		
119	Cleaning of ceiling fan with detergent at site and replacement of damaged items i.e. rubber real, cotter pin, capacitor clamp, nut and bolts of hanger clamps etc as required.	5.00	Nos.		
	Total Rs.				